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UTILIZATION AND MARKETING

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MONTANA FOREST PRODUCTS BULLETIN

Department of State Lands, Division of Forestry
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GARY G. BROWN, State Forester

PAUL MOORE, Editor

VOL. 15, NO. 4 OCTOBER/DECEMBER 1990

This bulletin is mailed quarterly to individuals engaged in the Forest Products Industry in Montana. In addition, it is mailed to county agents, lumber brokers, wholesalers, dealers of sawmill and logging equipment and educators, as well as departments of forestry in many states.

The purpose of the newsletter is to communicate information regarding the properties and uses of wood products, promote the efficiency in the utilization of wood from the stump to the end product, and to serve as an information source for members of the forest products industry.

All persons receiving this newsletter are asked to examine their mailing addresses and advise this office of any corrections needed for proper mailing.

TIMBER SHORTAGES CONTINUE TO PLAGUE MONTANA'S FOREST PRODUCTS

Timber shortages continued to plague Montana's sawmills and the State's lumber production was down in the second quarter of 1990, the University of Montana Bureau of Business and Economic Research reports.

According to Charles Keegan, director of the Bureau's forest industry research, Montana's lumber production was 367 million board feet in the second quarter of 1990, down from 392 million board feet in the first quarter. The second quarter marked the lowest total lumber output by Montana's sawmill industry since 1985, with the exception of the strike-affected third quarter in 1988.

Keegan says "The mills indicated that reduced production was mainly due to timber shortages. No improvement is likely for the rest of the year."

Keegan says "The outlook is for further reductions because of the difficulties the national forests have had in selling their full timber program, coupled with weakening markets for wood and paper products."

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The State's plywood industry, on the other hand, continued to produce at high levels. Plywood production was about 190 million square feet for the second quarter of 1990, up slightly from the 189 million square feet in the first quarter. Production for the first six months of 1990 was 11 million square feet above the same period in 1989, a year of record plywood production in Montana, Keegan says.

Montana's plywood industry has historically received most of its timber from private lands and, therefore, has been less affected by reduced availability of national forest timber.

Production workers' wages were about $30.3 million, up only slightly from the $30.1 million in the first quarter of 1990, Keegan says. The figures refer only to production workers at sawmills, plywood plants, pulp and paper mills, particleboard and fiberboard plants, and utility pole plants. These workers account for about half the wage and salary workers in Montana's forest products industry. Estimates do not include the several thousand workers in logging, trucking and other related jobs.

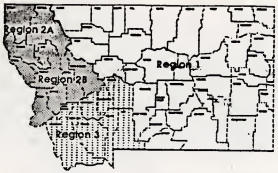
A NEW WOOD PRESERVATIVE: CHLOROTHALONIL

Source: The Utilization & Marketing Review, Vol. 2, No.8

Chlorothalonil (tetrachloroisopthal-onitrile) is one of the most important fungicides in the world. It is registered in the United States for use on 35 food crops, as a turfgrass fungicide, as an industrial biocide for control of mildew in paints and coatings, and as a marine antifouling agent.

Chlorothalonil is a very safe chemical to treaters, users, and the environment. There is now a considerable amount of information available on the efficacy of chlorothalonil as a wood preservative. Field data on chlorothalonil-treated stakes after 7 years of exposure in heavy oil carrier solvent (p-9 oil) is outperforming pentachlorophenol (penta) in an equivalent solvent against both fungal decay and termite attack. Three years of field stake data from Hawaii with the same formulations gave similar results. Laboratory work has also indicated that chlorothalonil performs as well as, or better, than penta. Chlorothalonil is also effective as an anti-sapstain treatment for the control of mold and stain fungi on freshly cut wood. Several companies in the U.S. hold registrations for this use. Chlorothalonil is an active ingredient in anti-sapstain formulations marketed and sold outside the United States as well.

There is a need for new wood preservatives. The currently used chemicals have major environmental and public perception problems. Chlorothalonil is likely to have a strong future as an alternative to penta, creosote, and possible CCA. For additional information contact: Peter E. Laks, Senior Research Scientist, Michigan Tech. University, Institute of Wood Research, Houghton, MI 49931, phone: (906) 487-2364.



Bureau of Business and Economic Research
University of Montana
Missoula, Montana 59812

MONTANA SAWLOG AND VENEER LOG PRICE REPORT
Based on a survey of mills
April - June, 1990

The following information is a summary breakdown of recent past average prices reported by primary wood processors for logs of the various species listed. These prices are not necessarily a reflection of current market prices. Fair market prices may vary a great deal based on log size, length, quality, contract size and terms, and a number of other factors. All information reported is recent average price per thousand board feet (MBF), Scribner Decimal rule, delivered to the mill site, unless otherwise noted.

SAWLOGS Scribner Dec C MBF	REGION 1			*	REGION 2A			*	REGION 2B			*	REGION 3			*
	Avg.	Low	High		Avg.	Low	High		Avg.	Low	High		Avg.	Low	High	
Ponderosa pine	145	130	160	F	//-//////////				//////////////				170	170	170	F
(Yellow)	//////////////				360	325	400	G	318	300	335	G	//////////////			
(Bull)	////////-////				238	220	260	G	187	155	205	F	//////////////			
Lodgepole pine	175	175	175	F	228	195	270	G	203	180	225	G	220	200	240	G
Douglas-fir	177	170	185	F	238	220	260	G	205	185	220	G	220	200	240	G
Western larch					231	195	260	G	212	200	220	G				
Engelmann spruce	175	175	175	F	238	195	280	G	218	200	235	G	220	200	240	G
Subalpine fir	160	160	160	P	225	210	245	G	195	175	220	F	220	200	240	G
Grand fir					221	210	245	G	195	175	220	F				
Western red cedar					246	220	280	G								
Hemlock					223	210	240	G								
White pine					360	325	400	G								
Cottonwood																

VENEER LOGS Scribner Dec C MBF	STATEWIDE REPORT			
Species	Avg.	Low	High	Demand next 60 days*
Douglas-fir	258	240	275	G
Ponderosa pine (Bull)	210	210	210	F
Western larch	258	240	275	G
Engelmann spruce	258	240	275	G
Other species	220	210	230	F

* Demand Next 60 days
G = Good
F = Fair
P = Poor

A MICRO COMPUTER PROGRAM FOR SAWMILL ANALYSIS

A spreadsheet-based microcomputer program called MicroSIP-3 was released in April, 1990, for use by sawmill owners and operators in analyzing their sawmill operations. Updated from an earlier version, MicroSIP-3 is actually a package of analytical methods designed to provide the sawmilling industry with practical and affordable tools by which to measure, monitor and upgrade processing efficiencies. This menu-driven program determines: 1. Current lumber recovery per cubic foot of log sawn (LRF), 2. Lumber sawing variation for each sawing center, 3. LRF with improved sawing variation and planer allowance, 4. Effects of change in target set on LRF, and 5. How profit margins are affected by changes in production variables, operating costs, and levels of product recovery. The analysis can evaluate sawmill operations that cut as many as six different board thicknesses and six different cant width in each of two sawing planes. Logs may be cant sawn or live sawn. This type analysis points out areas in the operation where improvements can quickly increase recovery, such as in log bucking and sawing accuracy. MicroSIP-3 helps users model their actual milling operation, and is designed for periodically monitoring levels of product recovery over time. Used as the basis for a quality control program, it allows the user to answer timely questions about existing operations and enhances the search for opportunities to improve lumber recovery. For more information, contact the Marketing Bulletin Editor.

A GUIDE TO EXPORTING SOLID WOOD REVISED

The revised version of Agriculture Handbook No. 662, "A Guide to Exporting Solid Wood Products", are available upon request free-of-charge. The revised edition updates the 1986 publication which has been out-of-print for some time. Principal changes include a modified format, more information on export documentation, a new section on USDA export programs, and more emphasis on trends in major markets rather than export tables which quickly become dated. This publication is a must for anyone exporting or thinking about it.

Copies can be obtained by contacting the Forest Products Division, Room 4554-South Building, Foreign Agricultural Service, U.S. Department of Agriculture, Washington, D.C. 20250-1000. Phone: (202) 382-8138. Fax: (202) 447-8461.

NEW SOFTWARE HELPS ANALYZE WOOD MACHINERY PURCHASE

Computer software designed to measure the cost justification of woodworking machinery purchases has been announced by the Wood Machinery Manufacturers of America (WMMA).

Woodworking equipment purchasers can evaluate the importance of a capital expenditure on a variety of criteria: production levels, labor efficiency, product quality, manufacturing flexibility and others. This new software rates investment criteria, weighs purchase cost against labor and material

cost savings, and identifies depreciation and net present values. The bottom line is a series of profitability and suitability measures for each machine being considered.

The IBM-compatible diskette is accompanied by comprehensive system documentation including computer instructions, a glossary of terms, and an illustration. For more information write to WMMA, 1900 Arch St., Philadelphia, PA 19103.

Source: Forest Prod. J. 40(10):50

MEETINGS

Forest Industries Clinic and Show. March 13-15, 1991, Oregon Convention Center, Portland Oregon. For registration information contact Christine Pearson, Forest Industries Exposition Group, 500 Howard Street, San Francisco, California 94105. Phone (415) 995-2471 or Fax (415) 267-7683.

25th International Particleboard/Composite Materials Symposium, April 9-11, 1991, Washington State University. For more information, contact Doris Robertson, Forest Products Research Society, 2801 Marshall Court, Madison, Wisconsin 53705. Phone (608) 231-1361.

First International Conference on "Wood Protection with Diffusible Preservatives," November 28-30, 1990; Doubletree Hotel, Nashville, TN. For more information, contact the Forest Products Research Society, 2801 Marshall Court, Madison, WI 58705. Phone: (608) 231-1361 or Fax: (608 231-2152.

Community Forestry Conference, November 13, 1990, University of Montana, Missoula, MT. Hosted by Montana Centennial Tree Program. For more information, contact Roger Bergmeier or Mark Lennon, Department of State Lands, 2705 Spurgin Rd., Missoula, MT 59801. Phone: (406) 542-4300.

Washington Idaho Seasoning Association: A special thanks goes to Champion International for hosting the Washington Idaho Seasoning Association meeting in Missoula September 15, 1990. Ken McMillan, Lumber Manufacturing & Sales Analyst and Jeff Webber, Dry Kiln Planner and Shipping Superintendent, presented an excellent overview of Champion's state-of-the-art studmill and dry kiln operation, prior to the group's tour.

Dave Bell, Yard and Kiln Supervisor for Plum Creek Timber, Inc., gave an interesting slide show presentation titled "Computerized Dry Kilns from the User's Standpoint," and Al Buchholcz of Wiretexx Heat Exchangers discussed how lumber drying schedules and wood degrade could be reduced by using a new style of wire tube heat exchanger.

For more information on future meetings, contact Peter Steinhagen, Forest Products Department, University of Idaho, Moscow, ID 83843.
Phone: (208) 885-6802.

EQUIPMENT AND PRODUCTS FOR SALE OR WANTED

Wanted: Saw Logs--Fir, Larch, Lodgepole Preferred, also taking Yellow Pine and Bull Pine. Guaranteeing a fair, honest scale. In the event of any disputes, independent check scaling available at no cost to contractor. Check scales to be mutually agreed upon by contractor and mill. Forester available for private landowners to help set up a harvest program. Remember, advertised price means nothing if you are not getting a fair scale for your logs. For more information contact Thompson River Lumber, phone (406) 827-4311.

For Sale: K.D. 1 Com and Btr, Red Oak (Appal) S2S 3/4" Grades Separated, lumber and surfacing excellent. Also, A/D and K/D 4/4 White Oak (Appal) Clear 1 Face, mostly 8'. Make Offer. Contact Jon Fox, Germain Timber Company, Gordonsville, VA. Day: (703) 832-5934, Evening: (804) 296-5586. Fax: (703) 832-5928.

Timbers Wanted: All sizes and lengths from Blocking Grade to Select Car Stock. We arrange trucking and mill inspection. Contact W. Preston Germain or Karen at Germain Timber Company, Pittsburgh, PA. Phone: (412) 782-3220. Fax: (412) 781-2551.

For Sale: Post and Pole operation. Morbark PS-8, Hough Payloader with forks, Hyster fork lift with side shift, live deck, automatic trim saw, sorting chain, two 4x5x28' treating vats, boiler, 2-ton hoyst, total containment treating facility, 3000 reserve tank, 220 gpm transfer pump, boiler, 3 phase electricity, doweling and drilling equipment and more on 5 acres. Write Thompson Falls Post & Pole, P.O. Box 1431, Thompson Falls, MT 59873.

For Sale: ¼" to 2¼" dia. x 16 ft. lg. or larger dowels available in lengths up to 10 ft. lg. balls, bases, blocks, electronic parts, handles, knobs, mouldings, plugs, reels, rollers, shaping, spools, toy parts, wedges, and wheels. We treat for outside use. Also, Coopers and Food Processors supplies. Many other wood products to customer specs. We now have a Weinig Profimat 22N moulder to help you with that special moulding you may needs. Contact Ed Koelbl, American Wood Working Co., P.O. Box 335, Montello, WI 53949. Phone: (608) 297-2131. Fax: (608) 297-7124.

For Sale: Northern White Cedar shakes and shingles, 1/2"-5/8" thick, 18" long. Four bundles make one square with an 8" exposure. For more information contact Donald Hauner, Box 438, Littlefork, MN 56653. Phone: (218) 278-4115.

Wanted: Sawmills wanted to produce timbers for bridges and shipyard blocking, RWY car decking, surfaced lumber and timbers, T & G, cut to length rough hardwoods and survey stakes. Also buy peeled and unpeeled oak piling to 60' lengths. Let us know what you like to produce; we will arrange trucking. Contact Tom Albert at Albert Forest Products, Inc., P.O. Box 39, Ingomar, PA 15127. Phone: (412) 366-1440. Fax: (412) 366-1551.

For Sale: Cable Skidders: 1. 1987 John Deere 640D Cable, used only in mining explor., excellent $39,500, 2. (3) 1987 John Deere 440D Cable, used only in mining explor., new 18.4 x 26 Tires $33,500, 3. 1979 Tree Farmer

C6D, 5 speed std. $13,500. Grapple Skidders: 1. 1987 Timberjack 380A 6BT Cummins $43,500, 2. 1982 Timberjack 380 Dual Arch $19,500, 3. 1980 Franklin 170XL Grpl $19,500, 4. 1978 Clark 667C. Feller Bunchers: 1. 1986 Hydro Ax 411B 16" Deep Pocket Shear $36,500, 2. 1985 Bobcat 1080C Factory New Cummins $27,000. Contact Ron Berthiaume, Midwest Tractor, Inc., 15160--165th Ave. NW, Big Lake, MN 55309. Phone: (612) 263-3777 or evenings (612) 295-5037.

We do equipment locating: We have a wide assortment of new and used parts, tires and wheels. Contact Ron Berthiaume, Midwest Tractor, Inc., 15160--165th Ave. NW, Big Lake, MN 55309. Phone: (612) 263-3777 or evenings (612) 295-5037.

Subscription: American Lumber & Pallet (Serving Lumber & Pallet Manufacturers). Every issue of American Lumber & Pallet has information that can help you improve your profits! If you're a sawmill or pallet mill you need to receive American Lumber & Pallet every month. We are a national publication serving lumber and pallet manufacturers. Best of all, subscriptions are free if you qualify (i.e. in sawmill or pallet business). Call toll free 1-800-992-3432 or write American Lumber & Pallet, P.O. Box 1136, 104 N. Elk Ave., Fayetteville, TN 37334. If you write, please include what type of business you have and include phone number and fax number, if available.

Log Quality Control: Maximizing log scale and reducing fiber waste is an important aspect in developing a profitable logging operation. Wood Forestry Services is now providing some valuable services to help you recover that extra wood fiber. My computerized Tree Utilization Evaluation service analyzes your logging sides, re-manufactures the logs to obtain maximum scale, and summarizes in detail the improvements which can easily and cheaply be made. If you would like an evaluation carried out on your logging job, or just want more information, please call (406) 642-3818. You will be amazed at the additional volume that can be recovered.

For Sale: Forestry Equipment:

Ranging Optical Tape measure #600	1	$ 39.95
Ranging Optical Tape measure #100	3	18.95
W-K Staff Compass	1	149.95
Jacob Staff	1	16.95
Silva Ranger Compass (Quadrant)	1	15.95
Handyman Hi-lift jack	2	24.95
Snowshoes (Trailer)	1 pr	35.95
Snowshoes (Green Mtn. Bearpaw)	1 pr	35.95
Nelson Paint Gun	3	39.95
Trecoder Paint Gun	4	35.95
Propane Burning Torches (w/tank)	2	29.95
Indian Fire Pump (Galv steel)	2	59.95
Pickup Tool Box (Regular)	1	24.95
Pickup Tool Box (Wheel Well)	1	15.95

For more information contact Don Wood, Wood Forestry Services, 2610 Meridian Rd., Victor, MT 59875. Phone: (406) 642-3818.

CONSULTING FORESTERS DIRECTORY TO BE UPDATED

The Department of State Lands, Service Forestry Bureau is in the process of updating the "1988-89 Montana Directory of Consultant Foresters". The directory is distributed to landowners seeking the wide range of forestry services consultants provide. The directory will be available free-of-charge from State Lands offices, and other public natural resource agencies.

If you are a private forestry consultant operating in Montana and would like to be included in the updated directory please fill out the questionnaire. The information you provide will be published in an attractive informational brochure that will be displayed in brochure racks and given to private forest land owners seeking consulting forestry assistance.

DEPARTMENT OF STATE LANDS

1991-92 MONTANA CONSULTING FORESTERS QUESTIONNAIRE
(Please return by December 7, 1990)

PRINCIPAL CONSULTANT: _____
FIRM NAME: _____
ADDRESS: _____
PHONE NUMBER: _____ **FAX:** _____ **AREA CODE:** _____

EXPERIENCE: (No. years consulting, references, etc.) _____
_____
_____
_____
_____

TERRITORY: (Western Montana, etc.) _____
_____
_____

SERVICES PROVIDED: (Please check those applicable.)

____ Absentee Owner Representation
____ Aerial Photogrammetry and Interpretation
____ Appraisals
____ Christmas Tree Management
____ Cruising and Marketing
____ Entomology and Pathology
____ Environmental Impact Statements
____ Forest Fire Protection and Assessment Analysis
____ Forest Litigation
____ Forest Management and Silviculture
____ Forest Resource Potential Analysis
____ Hydrology
____ Industrial Developments, Milling and Layout Design
____ Investment and Economic Analysis

____ Land Reclamation
____ Land/Timber Acquisition
____ Landscaping and Landscape Architecture
____ Logging and Harvest Design and Logging Supervision
____ Nursery Stock Production
____ Pedology
____ Prescribed Burning
____ Rangeland Management
____ Recreational Development
____ Reforestation, Seedling, Planting
____ Road Engineering and Layout
____ Sale of Forest Products
____ Scaling
____ Site Preparation
____ Surveying
____ Taxes
____ Timber Cruising and Inventory
____ Timber Stand Improvement
____ Tree Surgery and Maintenance of Ornamentals
____ Trespass Investigation and Damage Appraisal
____ Utilization and Marketing of Forest Products
____ Wildlife Habitat Improvement
____ Windbreaks and Shelterbelts

Other: _____

Remarks and other data: (Include limitations, membership in professional societies, special licenses, etc.) _____

Please return no later than December 7, 1990 to:

Department of State Lands
Service Forestry Bureau
2705 Spurgin Road
Missoula, Montana 59801

If you wish to advertise a forest product or a piece of wood-processing machinery in this bulletin, complete form below. No charge is made for this service. If you wish to rerun an item, a written request must be submitted before the next issue.

NAME OF PERSON OR FIRM:_____

MAILING ADDRESS:_____

ZIP CODE:_____ PHONE:_____

Type or print your advertisement in the space below, detach and return to:

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Forestry Division
Forest Products Bulletin
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Missoula, Montana 59801

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